



LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.18

SPECIAL SHAPED ENVELOPE - LBL FLOWERS

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

Add the following:

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd Flowers special shaped hot air balloon is 10 knots.

1.1.8 Ascent/Descent Speed

Add the following:

The maximum recommended rate of climb and descent for the LBL Flowers special shaped balloon is 4.0 m/s (800 ft/min).

1.5.1 Maximum Mass

TABLE 1

Add the following:

Balloon Type	Nominal Volume		FAI Class	Maximum Mass		Envelope Mass	
	cu.m.	cu.ft.		kg	lbs	kg	Lbs
LBL Flowers	2973	105,000	AX8	1050	2310	305	671

1.5.3 Payload Calculation

Calculation of the payload for the LBL Flowers special shaped balloon is identical to the procedure described. The conversion of the lift per unit volume figure, found from the load charts, into a gross lift figure is achieved by multiplying by the nominal volume given above.

2.2.2 Cold Inflation

Ensure that the 42 deflation vents are closed. These are situated one in each flower, one in each leaf and two in the upper lip.